## **Surface Mount Power Inductor**

# CA ELECTRONICS INC.



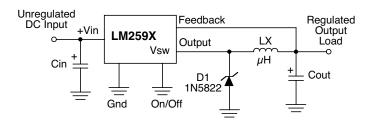


- · Optimized for National's LM259X Series
- Low loss material ensures operation in high frequency switching converters, such as Buck, Boost or as output averaging filter inductor
- · Also suitable for use in high quality filter applications
- · 150 KHz & 500 KHz Switching Frequency
- · Low Cost Inductor

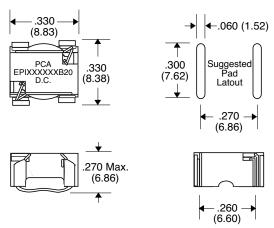
### **Primary Specification**

Part	National	Induct.	DCR	Induct.	ldc	Core Loss		Vt1	Vt2	Temp.Rise	
Number	Semiconductor Chip	(µH ± 20%) @ 0 Adc	(Ω Typ.)	(µH 15%) @ ldc	(mA)	@ Vt1 (mW)	@ Vt2 (mW)	(V-μSec) 150 KHz	(V-μSec) 260 KHz	@ Vt1 °C (Typ.)	@ Vt2 °C (Typ.)
EPI1L0342B20		1.05	.011	0.9	3400		6.5		0.5		54
EPI4L7122B20		5.2	.051	4.7	1200		23.4		2.0		40
EPI6L8951B20		7.5	.061	6.8	950		23.4		2.4		34
EPI100801B20		10.9	.094	10	800		23.4		3.0		35
EPI150701B20		16.8	.148	15	700		23.4		3.6		40
EPI220601B20	LM259X-L7	25	.224	22	600	23.4		6.6		42	
EPI330441B20	LM259X-L6	36.5	.343	33	440	23.4		8.0		38	
EPI470371B20	LM259X-L5	51.6	.408	47	370	23.4		9.3		34	
EPI680321B20	LM259X-L4	75	.625	68	320	23.4		11.3		37	
EPI101261B20	LM259X-L3	110	.958	100	260	23.4		14		37	
EPI151211B20	LM259X-L2	166	1.476	150	210	23.4		17		37	
EPI221181B20	LM259X-L1	248	2.225	220	180	23.4		20.6		40	

#### **Application**



#### Package B20



Note: Coplanarity within .005" Max.

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 /.25